Figure 1: TOOL PRODUCTION PROCESSES

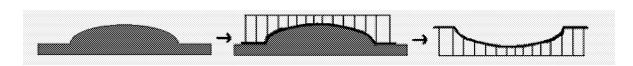
Traditional Process: Lengthy, requiring master

Boeing Process: Assembly using different adhesive and hand applied paddies Present Invention: Streamlined process Using a machine dispensed curable paste

5 which is both adhesive and a machinable coating

Traditional process

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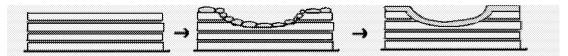


Mold made from boards or SMP in normal manner Laminate applied with backing structure

Laminated tool produced

Boeing process





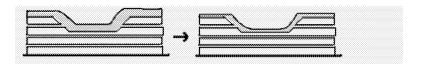
Honeycomb stacked together and cured

Patties applied by hand and cured

Patties cut to give final tool

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New patent



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Honeycomb stacked and stuck together with SMP

Part cured and then cut to give final tool